

Most Albertans Believe Universities Are Underfunded, Study Shows

Two out of three Albertans believe that the provincial government should provide extra money for Alberta universities. This concern about funding cutbacks in higher education was revealed in a province-wide survey of 1,269 adults conducted in spring of 1988 by the University's Population Research Laboratory.

Respondents in the survey were told that university enrolment in Alberta has been rising but without extra funding from the provincial government. Sixty-four percent stated that the government should provide extra money while twenty-six percent answered that the universities should "make do" with the money they now receive. When given the precise figures (a 15 percent increase in enrolment over four years with less than a 6 percent increase in funding, taking inflation into account) only 22 percent supported the government's policy of cutbacks, while 53 percent disagreed with it (the rest were undecided).

Three-quarters of those who recommended extra funding also said they would be willing to pay more taxes for this purpose, demonstrating the strength of their concerns. Most Liberal and New Democrat supporters called for extra funding (74.1 percent and 77.0 percent, respectively) and a large majority of PC supporters (64.9 percent) felt that the

government should increase its funding of Alberta universities.

The survey also demonstrated the high level of university participation in Alberta, with 19 percent of households containing someone who had attended an Alberta university in the past two years, and 25 percent containing someone who planned to attend in the next two years. Very few

respondents (only 12 percent) were in favor of higher tuition fees as a response to low government funding. Almost all nineteen percent agreed that anyone who is academically qualified should be able to attend university, but a majority (55 percent) also agreed with the University of Alberta's decision to raise entrance requirements to limit enrolment. □

FOLIO

University of Alberta

22 September 1988

Misfiring Causes Sirens

Many people on campus were taken off guard (or put on guard) last week when a siren blasted unannounced. Fortunately, it was a false alarm, caused by a misfiring through the AGT telephone exchange which triggers the alarms.

The department of national defence is testing its early nuclear attack warning systems throughout the country. Here in Edmonton, the systems are hooked up to AGT and can be activated and deactivated through the telephone exchange. The University wasn't notified of the testing because normally the sirens are deactivated as soon as a soft noise is heard. However, a problem with the circuitry forced the sirens to be totally activated and it was the system located on top of the Dentistry/Pharmacy Building that was heard last week.

The defence department points out that a false alarm from the system produces a steady sound (such as that heard by the University community) while a real alarm produces an undulating sound, where the siren reaches a peak, stops, then begins again. Should a real alarm occur, the department suggests that everyone tune in to CBC radio, the designated emergency radio station. □

University of Alberta

Botany Enrolment Goes Up and Up and Up

University enrolment is down this year—but enrolment in Botany has gone up 60 percent since 1983.

According to Keith Denford, Department Chair, that may be "because we're offering students what they want."

To get away from botany's (undeserved) image as the boring study of tedious weeds, the department introduced four new

second-year courses with intriguing names: "Drug Plants of the World," "Pollution Biology," "Biology of Economically Important Plants," and "Introductory Biotechnology."

It's a strategy designed to catch the attention of people already interested (to some extent) in botany, and to pique the curiosity of others and "let them know what

botany is all about."

The strategy seems to be working.

Total enrolment in the four courses is around 600—with close to 400 budding plant scientists signed up to learn about drug plants.

"If I can get just five percent of them interested in botany, I'll have a core of 30 botanists," Dr. Denford rejoices.

Botany is important. "If you don't know what the plants are, you'll never get any drugs out of them. To do that, you have to have a fundamental knowledge of their structure." That basic understanding is also what's needed for successful genetic manipulation—you don't want to end up with trifids. □



The Top of the Morning

CBC's "Edmonton AM" was broadcast from campus last week. Hosts Ruth Anderson and John Grant were suitably impressed with their line-up of guests, which included early morning (6:15 a.m.) fitness fanatics, dream expert Tore Neilsen and these "Reach For The Top" players. The CBC contingent (and the many faculty and students who stopped by the show) also pronounced the cinnamon buns, courtesy of the CAB cafeteria, first-rate.

Contents

- Food, drink *verboden* in Library
- The dew-worm line
- Sweden subject of seminar



Folio, 22 September 1988

'Be a Partner in Preservation'

Eat, Drink and Be Merry . . . But Not in the Library

The Library is fighting the good fight but casualties—books, periodicals, maps—are mounting.

The Food and Drink Committee knows that war is hell, but it simply has to launch a major offensive against F&D.

Between 26 September and 7 October, staff will be doing everything in their power to inform users of the serious problems that occur whenever food and drink are consumed in the Library.

The campaign, aimed at Library staff, students and faculty, will stress the following points:

- consume your food and drink outside Library buildings,
- place garbage in trash cans,
- take care of Library books,
- respect Library property at all times.

The Food and Drink Committee says that the policy of prohibiting food and drink on the premises may seem to be "petty or, at best, unduly burdensome. On closer examination, however, it is actually very reasonable. Students are asked to avoid bringing food into the Library and are forbidden to consume it on the premises. Library staff are asked to use paper

bags or closed containers to bring food in, and to eat and drink only in designated areas. The reason for this is very simple: protection of Library materials (which, incidentally, provide our livelihood) from the ravages of pests, which are encouraged by food leavings, and from damage by spills and soiling."

The casualties mentioned at the outset are all too common because people persist in eating in the Library and leftovers and crumbs attract silverfish, cockroaches, larder beetles and other insects and rodents which eat the glue and paper in the books. How bad can it get? In 1984, the Periodicals and Microforms Centre in Rutherford South had to be closed for fumigation.

Library administrators find it exceedingly difficult to replace damaged material due to limited financial resources and lack of availability.

Displays for the Library's system-wide campaign will include a sampling of users' complaints, examples of the damage wrought by insects, and three jars of the wee beasties.□

Harold Silver: Distinguished Visitor

Harold Silver, eminent British historian and educationist, will be on campus as Distinguished Visitor from 22 September to 15 October. His visit is sponsored by the Department of Educational Foundations with the support of several other departments in the Faculty of Education and the Faculty of Arts.

Dr. Silver holds the PhD degree of the University of Cambridge and also a higher doctorate, the D. Litt, from the National Council for Academic Awards. He has published more than a dozen books on educational and social history and has contributed chapters to seven other works of scholarship. He has published many articles in leading British, Australian and North American journals and contributes a regular column to the *Times Higher Education Supplement*.

Dr. Silver has occupied various posts in British higher education and has lectured or examined at

over twenty universities in three continents. He is an authority on British education and on post-secondary policies in Western nations.

During his stay in Alberta, Dr. Silver will speak twice in the Department of Educational Policy and Administration at the University of Calgary and will also visit Fort McMurray to participate in our University's MED outreach program. On campus he will give two talks in the History Department, and a seminar in Educational Foundations. He will also be visiting graduate classes. There will be two public lectures. The first of these, entitled "A Liberal Vocationalism," will be delivered at 3:30 p.m. on Thursday, 29 September, in 110C on the fourth floor of the Education Centre (North Building). The second lecture, entitled "Poverty and Educational Policy," will be on Tuesday, 11 October, at 3:30 p.m. in 158 Education South.□

Apply Now for WUSC International Seminar 1989

It's time to get your application in for the Leeward and Windward Islands summer seminar organized for June 1989 by the World University Service Canada (WUSC).

Thirty students will be selected from universities all over Canada to participate in this study tour of different islands in the Caribbean, 23 June to 6 August 1989.

WUSC seminars—begun in 1948 when Canadian faculty members and university students visited Germany—provide a first-hand introduction to aspects of international development. Since the first one, seminars have been held in Costa Rica, Peru, Thailand, Sri Lanka, Mauritius and last year, Mali.

Participants' research topics relate to economics, geography, education, health and social sciences, urban-rural development, and culture.

The working language in the 1989 seminar to the Caribbean islands will be English.

Students will be required to write a report on their study during the

tour which will include visits, depending on their interests, to some of the following islands: St. Vincent, Antigua, Dominica, Grenada, Martinique and St. Kitts.

Students selected to join the seminar will be required to raise \$2,000, to cover a small portion of the costs involved. CIDA and WUSC cover the remainder, which includes travel, lodging, meals and two orientation sessions—one in Ottawa before departure, and another in Barbados upon arrival.

The deadline for student applications to the Edmonton WUSC committee is 5 October 1988. Application forms can be obtained from International Centre, 172 HUB International, University of Alberta, phone 432-2692.

Interested faculty members may collect applications forms and forward them directly to the WUSC Ottawa office by 5 November 1988.

For more information: Dulari Prithipaul, 452-2147; Scott McLean, 467-5424; Maxim Jean Louis, 1-800-281-3904.□

FOLIO

Deadlines:

Notice of coming events: 9 a.m. three weeks in advance of desired publication date.

Classified advertisements: 3 p.m. one week in advance of desired publication date. This date also serves as the deadline for cancellation of advertisements. Advertisements cost 30 cents per word with no discount for subsequent insertions. There is a maximum limit of 30 words and a minimum charge of \$1.50. Contributors' corrections will be assessed at \$1.50 for each line in which an insertion is made.

Advertisements cannot be accepted over the telephone. All advertisements must be paid for in full at the time of their submission. **Display advertisements:** 3 p.m. one week in advance of desired publication date. Contact Public Affairs for sizes, rates and other particulars.

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Botanic Honor for Paul Gorham

Paul Gorham, Professor Emeritus of Botany, was recently presented with the George Lawson Medal of the Canadian Botanical Association by Keith Denford, Chair of Botany and past president of the Association.

The medal is awarded annually by the CBA in recognition of the relative, distinguished contributions of a senior investigator, who may be a teacher or an administrator or both, who has worked in Canada for the greater part of his career, and

whose influence has contributed notably to the advancement of Canadian botany.

Dr. Gorham's significant contributions to botanical science in Canada have been recognized with the Mary E. Elliott Service Award (presented in 1979), an honorary Doctor of Science degree from the University of New Brunswick (1973), and the Gold Medal of the Canadian Society of Plant Physiologists for outstanding contribution to plant physiology (1987).□



Paul Gorham (left) accepts the George Lawson Medal from Keith Denford.

Dew-Worm Research: Another Fishing Story?

"They've done it with cows. They've done it with chickens. Why shouldn't they do it with dew-worms?" asks Ron Stasynec, fishing supplies outfitter in Sherwood Park.

Speeding up growth is what he's talking about, and it's the growth rate of dew-worms he's particularly interested in.

Tens of millions of these worms, also known as nightcrawlers, are sold annually as bait to fishermen all over North America, for sums that aren't trifling.

But over-harvesting and acid rain are affecting the supply, and Mr. Stasynec predicts a future shortage of the wriggly critters. Within five years there won't be enough to meet demand, he says.

An opportunity for entrepreneurs to grow dew-worms for profit, you might think.

But dew-worms grow slowly.

"It takes up to five years to get them to saleable size," says Mr. Stasynec.

If you knew how to make dew-worms mature in one year, instead of two to five, you'd have

found the pot of gold at the end of the rainbow."

As well as the Canadian market, there would be a profitable export business too. "Ninety percent of Canadian worms are exported to the States. Some development work on growing them has been done there, but it's too hot. They like moderate days and cool nights. Temperatures around 50 degrees Fahrenheit are ideal. Here you could grow them in a well-insulated garage."

Mr. Stasynec would like to hear from a researcher—perhaps a geneticist or an entomologist—interested in looking at growth in dew-worms (and how to speed it up) as a research project.

In return, he offers an inexhaustible supply of worms for experiments, continuous encouragement, and the chance down the road of a fortune founded on fast-growing nightcrawlers.

He can be reached at 42 Galaxy Way, Sherwood Park. Or call him at 464-4958.□

Letters

More on the Smoking Question

■ The smoking question obviously raises matters of freedom—freedom to smoke. Freedom to be free of smoke. Your correspondent J.W. Osborn stretches the subject into a diatribe for freedoms that deals with just the former while branding his opponents as against many freedoms. I object. I too am for the other freedoms he mentions, including, despite having being saved by a seatbelt, the freedom to not wear one. But I'm a noted crusader against smoke. I want the freedom to do my job without the noxious and often debilitating effects of others' smoke. While many smokers might refuse to join non-smoking committees, I and others refuse to join/attend smoking ones. Whether others choose to smoke is their business basically, but becomes mine when the smoke spills from their offices or permeates the building, and even when their smoke-impregnated clothes and hair come nearby. Many of them, unwittingly to themselves, are about as pleasant, even early in the day, as the hard-working cowboy of their ads at the end of his day. I may be unusually sensitive to smoke and nicotine, but know many others who find it an outrage to have to suffer those pollutants when transacting official business, the biggest outrage being the smoke-riddled boss's office.

All the above has nothing to do with whether side-stream smoke is actually dangerous to health. I believe it almost certainly is, though I accept that the matter is not scientifically validated; it's no more convincing today than that for direct smoking twenty years ago. Of course Thalidomide, DDT, PCBs, CFCs and lots of other agents were defended, indeed deemed innocent, many years ago. Rather than wait till each is a proven disaster, we need to be more circumspect about chemicals, far more prepared to test, far more prepared to respond to questioning alerts. Certainly we have lots of pollutants around, many of known toxicity. But surely I have the right, the freedom, to decide whether I want to breathe Osborn's private effluent. One freedom might be in ashes, as you captioned that letter; a comparable freedom has thereby been given its day, at long last. Freedoms are very often in conflict with other freedoms; the smoking question is one example, very comparable with that of keeping pigs in one's backyard. Many freedoms have to be muted in order to respect adequately others. What is a proper balance and what are appropriate procedures to establish that balance are reasonable questions, but the black-and-white view of that letter is absurd and naive.

D. Fenna
Faculty of Medicine

Jaycees' Support of Poison Control Program Continues

The Edmonton Jaycees/Junior Chamber of Commerce gave another financial boost (for the fourth year in a row) to the poison control program. A cheque for close to \$8,000 was recently given to Dean John Bachynsky, Pharmacy and Pharmaceutical Sciences, by the Jaycees in their ongoing support of the program.

To date, the Jaycees have donated more than \$26,000 toward the poison control program. The contribution comes from the Jaycees annual fund-raising campaign (it began this month), from which proceeds are

distributed among numerous organizations in the city.

The poison control program was initiated four years ago by students in medicine, nursing and pharmacy because of the need to educate the public on prevention and treatment of accidental poisonings. Last spring, with the support of the Jaycees, the students unveiled the Poison Prevention and Treatment Kit, an educational tool for households which includes stickers to be put on all poisons in the home, and an information manual.□

First Swedish Settlement in North America Celebrated

As part of a continent-wide celebration of the arrival of the first Swedish settlers in North America, the University is hosting a day-long seminar, Thursday, 6 October, entitled "Sweden: Equality and Efficiency."

The seminar, co-sponsored by the University through the Canadian Institute for Nordic Studies (CINS), brings together Swedes and Canadians from business, labor, government and academia to discuss whether Sweden has actually achieved both social and economic equality and economic efficiency.

Traditionally, these have been considered contradictory goals.

How is it, then, that Sweden, with the largest public sector of any industrial economy and, according to the *Economist* "the highest taxes, the most generous welfare state, the narrowest wage differentials and powerful trade unions," has large and vigorous companies and one of the lowest unemployment rates in Europe?

Panelists will examine this apparent paradox, taking a close look at the Swedish model for social and economic development and how it compares with Canada.

Among conference delegates are the former Swedish Prime Minister and Swedish Ambassador to Canada, Ola Ullsten; Stig Tegle, chief economist for the Central

Association of Salaried Employees, which represents more than 80 percent of all salaried workers in Sweden; Jan Broms, chief economist for the Swedish Confederation of Professional Associations, representing about 140,000 professional employees; and Anne-Marie Qvarfort, director, Coordination and Development, Stockholm County Labor Council.

The purpose of the seminar is to promote discussion between Swedish, American and Canadian scholars and opinion makers, as well as representatives of labor and management on problems and potential solutions.

The seminar is part of "New Sweden '88," a series of cultural and educational events. It is initiated and coordinated by the

Swedish Information Service in New York and the Swedish Institute, a government-financed education and research foundation in Sweden.

Those interested in attending the seminar are asked to contact Alberta International, 432-2958. Registration is \$30; the deadline 26 September. □

Nova Corp Funds Research Workshop

On 18 and 19 October, the Department of Organizational Analysis, Faculty of Business, will host a research workshop, funded by Nova Corporation, on the Management of Strategic Organizational Change. The workshop will bring together leading international scholars who are examining the dynamics and processes of radical organizational change. Participants will be from universities in England, Scotland, West Germany, Sweden and the United States.

The theme of strategic organizational change represents one of the major interests of the OA Department. Supported by

various research grants, five members of the department are seeking to understand how and why large-scale organizations in the business sector respond to circumstances demanding major organizational upheaval and change. In the past few years the department has researched and published extensively in this area and the workshop is seen as an important means of consolidating the developing relationships between the University of Alberta and research centres elsewhere.

The co-organizers of the workshop are Royston Greenwood (432-3949) and Bob Hinings (432-3054). □

Reminder

The forum "How to Apply for Scholarships and Fellowships" goes 5 October, 9 a.m. to 6 p.m., in the North Power Plant. Graduate students, senior undergraduate students and faculty are invited to attend.

To register, call the Graduate Students' Association (432-2175). Registration deadline: 27 September. □

Addendum

The list of academic staff promotions published in *Folio* (8 September) was missing D. Sayer of the Department of Sociology. Dr. Sayer was promoted from associate professor to professor, effective 1 July 1988. □

Memorial Gathering

For the friends and colleagues of

Mr. Dennis Wighton,
Administrative
Officer, Department
of Genetics

Wednesday,
September 28,
4 p.m.

Earth Sciences
Centre, Room 3-27

University Professorships

The selection Committee for University Professors will be considering nominees later in the fall. This title honors professors whose academic, professional and community contributions have been exceptionally meritorious.

Nominations should be submitted to the Vice-President (Academic) by 31 October 1988, but before making any nominations, persons are asked to study the criteria for University Professor nominations, copies of which may be obtained from Ms. Dorothy Gamble, Office of the Vice-President (Academic), 3-4 University Hall (432-3443).

Selection Committee for Dean: Faculty of Engineering

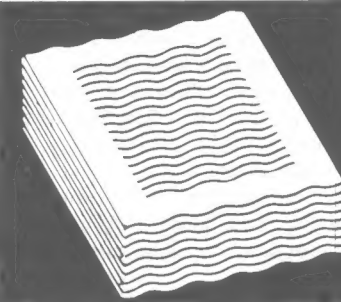
An Advisory Selection Committee has begun its search for a Dean of the Faculty of Engineering. The appointment will take effect 1 July 1989 or as soon as possible thereafter. Suggestions of possible candidates and assessments of the leadership needs of the Faculty are invited.

Since the incumbent Dean, Dr. Fred D. Otto, is a candidate, the committee is also required to conduct a review of his administrative performance.

Comments are invited with this stated purpose in mind.

Nominations or applications for the position, accompanied in the latter case by a detailed résumé of qualifications and experience, and the names of three referees, should be submitted by 30 September 1988 to: Dr. J. Peter Meekison, Vice-President (Academic), Third Floor, University Hall, University of Alberta, Edmonton, Alberta T6G 2J9.

Current



General Faculties Council

GFC's next meeting is scheduled for Monday, 26 September, at 2 p.m. in the Council Chamber, University Hall.

1. Approval of the Agenda
2. Approval of the Minutes of 27 June 1988
3. Question Period
4. New Members of GFC 1988-89
5. Executive Committee Report
 - 5.1 Executive Committee Minutes of 13 June 1988
 - 5.2 Executive Committee Minutes of 8 August 1988
 - 5.3 Executive Committee Minutes of 22 August 1988
 - 5.4 Executive Committee Minutes of 15 September 1988
6. Reports of the Board of Governors
 - 6.1 Report of 8 July 1988
 - 6.2 Report of 9 September 1988
7. Report of the Nominating Committee

- 7.1 Written Report
 - 7.2 Oral Report
 8. GFC Facilities Development Committee (FDC): Oral Report
 9. GFC Academic Development Committee (ADC): Oral Report
 10. GFC Planning and Priorities Committee (PPC): Oral Report
 11. Vice-President (Research)'s Research Policy Committee (RPC): Oral Report
- New Business*
12. Disabled Students Policy: Recommendation from the Council on Student Services (COSS)
 13. Admission of Advanced Placement students: Recommendation from the GFC Committee on Admissions and Transfer (CAT)
 14. Composition of Committees; Eligibility to Serve; Definitions of Staff: Report of the GFC Executive Sub-Committee
 15. Teaching Evaluation: Revised Proposal from the GFC Committee for the Improvement of Teaching and Learning (CITL)
 16. GFC Nominating Committee: Replenishment
 17. Women's Research Centre: Recommendation from the GFC Planning and Priorities Committee (PPC)
 18. Faculty of Library Science: Proposal for a Change in Name
 19. Faculty of Pharmacy and Pharmaceutical Sciences: Admission, Academic Standing and Curriculum Changes
 20. Performance of Transfer Students: Documentation from the GFC Committee on Admissions and Transfer (CAT)
 21. University Policy on Learned Journals: Proposal from the Vice-President (Research)
 22. Waiver of Advertising Requirements: Report of the Vice-President (Academic)
 23. Non-matriculated Applicant (NMA) Admissions: Recommendation from the Committee on Admissions and Transfer (CAT)
 24. Systematic Reviews ("PACCR" process): Recommendations from the President
 25. Other Business
- The following items were considered by the GFC Executive on 15 September and will likely be on the GFC agenda for 26 September:
- English Language Proficiency for Admission to Undergraduate Programs: Recommendation from the GFC Committee on Admissions and Transfer (CAT)
 - BA in Native Studies: Recommendation from the GFC Academic Development Committee (ADC)
 - Combined BED/BSc Program: Recommendation from the GFC Academic Development Committee (ADC)
 - Study Space Status Report: 1987-88
 - Housing and Food Services Administrative Council (HFSAC): Annual Report 1987-88
- For information concerning this agenda, members of the University community may telephone the Secretary to GFC (5430).

Campus Reviews

As part of the process of carrying out systematic reviews under the guidance of the President's Advisory Committee on Campus Reviews, the **Radiation Research Centre** is completing the self-study phase of the review process. The other major phase of the process is the site visit and assessment by the Unit Review Committee on 17 and 18 September. In preparation for this second phase, PACCR invites written comment prior to 14 October 1988. Submissions are for the use of the Unit Review

Committee and will be held in confidence by the members of that committee.

Submissions should be sent to: Mrs. Shirley Moore, Coordinator, PACCR Office, W4-13 Chemistry Building, Attention: The Radiation Research Centre Unit Review Committee.

Talks

Slavic and East European Studies

- 22 September, 3 p.m. Jerzy Tomaszewski, Warsaw University, Poland, "Social Problems of Ukrainians in Poland, 1918-1939." Senate Chamber, Arts Building.
- 26 September, 3 p.m. Dr. Tomaszewski, "Social Problems of Belorussians in Poland, 1918-1939." Senate Chamber, Arts Building.
- 28 September, 3 p.m. Dr. Tomaszewski, "Social Problems of Jews in Poland, 1918-1939." Senate Chamber, Arts Building.
- 3 October, 3 p.m. Dr. Tomaszewski, "Social Problems of Germans in Poland, 1918-1939." Senate Chamber, Arts Building.

English

- 22 September, 3:30 p.m. Sam Rees, "Sublime Tobacco: Four Hundred Years of Poetry and Polemics." 5-20 Humanities Centre.
- 23 September, noon. Roland Smith, Dalhousie, "A People's War in Greenland: Graham Greene's Wartime Tales." 5-20 Humanities Centre.

Medicine

- 22 September, 4 p.m. J.Z. Scott, "Physiology and Endocrinology of the Menstrual Cycle." 2F1.04 Mackenzie Health Sciences Centre.
- 22 September, 8 p.m. B. Bateman, Department of Ophthalmology, UCLA, "A Re-evaluation of Norrie's Disease Linkage." 2J4.02 Mackenzie Health Sciences Centre.
- 23 September, 1:15 p.m. Dr. Bateman, "Congenital Esotropia." 2J4.02 Mackenzie Health Sciences Centre.
- 23 September, 1:45 p.m. J. Pratt-Johnson, Department of Ophthalmology, University of British Columbia, "Accommodative Esotropia." 2J4.02 Mackenzie Health Sciences Centre.
- 23 September, 2:15 p.m. Dr. Bateman, "Exodeviations in Children." 2J4.02 Mackenzie Health Sciences Centre.
- 23 September, 2:45 p.m. Dr. Pratt-Johnson, "Exodeviations in Adults." 2J4.02 Mackenzie Health Sciences Centre.

Entomology

- 22 September, 4 p.m. Janet Haley, "Host Selection and Gustatory Chemoreception in 3 *Leptinotarsa* Species." TBW-1 Tory Building.

International Centre

- 23 September, noon. "Bound to Strike Back"—a video on the struggles of the black majority of South Africa.
- 26 September, noon. Premalatha Ladchumanopaskeran, Malaysian student, will demonstrate traditional Indian dancing.
- 27 September, 12:30 p.m. Tek Tan, PhD student in Business Management, "Singapore, Its Culture and People."
- 28 September, noon. Sanjay Singh will demonstrate how to create Indian delicacies.

29 September, 12:30 p.m. An overview of study/work and volunteer opportunities for students, focussing on the materials available at the International Centre.

30 September, noon. Steve Kidd, graduate student in Space Physics from Scotland, presents a slide-talk show on the mysterious Northern Lights.

All events in 172 HUB International.

Plant Science

- 23 September, 12:30 p.m. David Cook, "Presentation and Content of Graduate Student Seminars." 1-06 Agriculture-Forestry Centre.

History and Sociology

- 23 September, 3:05 p.m. Keith Wrightson, Jesus College, Cambridge, "Death in Early Modern England." 2-58 Tory Building.
- 26 September, 2 p.m. Dr. Wrightson, "Marriage, Family and Society 1558-1800." 4-4 Tory Building.

Zoology

- 23 September, 3:30 p.m. Jim Kenagy, Department of Zoology, University of Washington, Seattle, "Evaluating the 'costs' of reproduction: Ecophysiological approach to life history in ground squirrels." M-149 Biological Sciences Centre.
- 30 September, 3:30 p.m. Joel Berger, Biology Department, University of Nevada, Reno, "Sexual Selection and the Elusive Unicorn." M-149 Biological Sciences Centre.

Canadian Institute of Ukrainian Studies

- 23 September, 7:30 p.m. Andrij Hornjatkevyc, "Zinovii Shtokalko, Bandurist: A Lecture with Archival Recordings." Heritage Lounge, Athabasca Hall.

Law

- 24 September, 9:30 a.m. Saturday Morning at the Law School—"Suing and Being Sued." Law Centre.

Rural Economy

- 26 September, 3:15 p.m. Kenneth Norrie, "Economic Policy Research in Canada." 511 General Services Building.

Sociology

- 26 September, 7 p.m. R.M. Blackburn, head, sociological research, Department of Applied Economics, University of Cambridge, "Taxation and Democracy." TBW-2 Tory Building.
- 27 September, 10:30 a.m. Dr. Blackburn, "The Employment, Work and Non-Work of Men and Women." W1-34E Van Vliet Centre.
- 28 September, noon. Dr. Blackburn, "Stratification Research: A Theoretical and Methodological Critique. Topic 3 - The Reproduction of Social Inequality." 5-15 Tory Building.

Alberta Heritage Foundation for Medical Research and Rehabilitation Medicine

- 27 September, 1 p.m. David Winter, Department of Kinesiology, University of Waterloo, "Assessment of Pathological Gait: Use of Biomechanical Motor Patterns." 203 Corbett Hall.

Alberta Heritage Foundation for Medical Research

27 September, 4 p.m. Jurgen Metz, Department of Anatomy, University of Heidelberg, "The Autonomic Nervous System: Immunohistochemical Investigations." 5-10 Medical Sciences Building. Sponsored by Anatomy and Cell Biology.

Library Science

29 September, noon. Alix Hayden, "Research Methods and Results of Her Recent Study (MLS Thesis, University of Alberta, 1988)." 3-10 Rutherford South.

Limnology and Fisheries

29 September, 12:30 p.m. Bill Tonn, "Climate Change and Fish Communities: A Conceptual Framework and a Report from the Toronto AFS Meeting." M-149 Biological Sciences Centre.

6 October, 12:30 p.m. Charlie Schweger, "Paleolimnology/Paleoclimatology of Central Alberta: Testing the Milankovitch Hypothesis." M-149 Biological Sciences Centre.

Chemistry

3 October, 11 a.m. Robert M. Coates, Department of Chemistry, University of Illinois, "Stereochemistry and Mechanism in Terpene Biosynthesis." 1-07 V-Wing.

Psychology

3, 4 and 5 October, 7:30 p.m. 14th Annual MacEachran Lecture Series. Robert S. Siegler, professor of Psychology, Carnegie-Mellon University, Pittsburgh, Pennsylvania, will speak on the general topic, "Strategy Choices and Strategy Discovery." CW-410 Biological Sciences Building.

The Arts

Exhibitions FAB Gallery

Until 2 October. "Sarah Nevill—Sculptor."

Ring House Gallery

Until 16 October. "Cryptogams: A Photographic and Botanical Exhibition of Lichens, Mosses and Liverworts of Northwest North America." Photography by Robin Bovey, support material by Dale Vitt and Janet Marsh.

Films

East Asian Languages and Literatures and the Consulate-General of Japan

29 September, 7:30 p.m. "Tora's Island Encounter."

4 October, 7:30 p.m. "River of Fireflies." Zeidler Hall, Citadel Theatre.

SUB Theatre

23 and 24 September, 8 p.m. Margie Gillis in concert.

29 September, 8 p.m. Skinny Puppy in concert.
 30 September, 8 p.m. Iggy Pop in concert.
 1 October, 1:30 and 3:30 p.m. Brian Folley's "Cinderella."
 3 October, 7 p.m. Adrian Cronauer with film "Good Morning Vietnam."
 4 October, 8 p.m. Melissa Etheridge in concert.

Music

28 September, 8 p.m. Faculty Recital—Fordyce Pier, trumpet.
 2 October, 8 p.m. Encounters I Concert—works by Finzi, Martinu, Vaughan Williams and baroque works for harpsichord. Admission: \$5/adults; \$3/students and seniors.
 4 October, 8 p.m. Doctoral lecture/recital—Michael Redshaw, piano.

Edmonton Chamber Music Society

5 October, 8 p.m. "Borodin Trio." Admission by membership, available from the Society (433-8102) and at the door.

Sports

Hockey

22 to 25 September. Golden Bear Junior Invitational.

Soccer

23 September, 4 p.m. Golden Bears vs. Lethbridge.
 23 September, 6:30 p.m. Pandas vs. Lethbridge.
 24 September, 2 p.m. Golden Bears vs. Calgary.

Football

23 September, 7 p.m. Bears vs. Calgary.

Award Opportunities

The \$2,500 Universiade 83 Scholarships

Eligibility: A candidate must:
 - be an Alberta resident
 - be attending the University of Alberta full-time
 - have superior academic achievement (at least First Class Standing)
 - have excellence in athletics or fine arts
 - be in any year of an undergraduate program (students who have just transferred here are eligible to apply).
Selection procedure: A nominating committee composed of University of Alberta academic staff from the fine arts and athletics areas as well as Universiade officials will assess all applications. The committee will nominate a list of finalists to Universiade 83 Foundation Inc. by 17 October for final selection. Recipients may not concurrently hold other major awards administered or coordinated by the University of Alberta.
Applications are available from: Office of Student Awards, 252 Athabasca Hall, University of Alberta T6G 2E8. Telephone 432-3221.
Application deadline: 30 September 1988.

The \$4,000 Lou Hyndman Edmonton Glenora Awards

Eligibility: A candidate must:
 - be entering the final two

undergraduate years of the following Faculties/Departments:
 Law, History, Political Science, Education, Business or Economics
 - have acceptable academic standing on a full normal course load (30 credits) from the previous year.
Selection criteria: The selection committee will base its decision on community leadership qualities as demonstrated by participation in university organizations, sports activities, cultural or political activities, etc.
Applications are available from: Office of Student Awards, 252 Athabasca Hall, University of Alberta, Edmonton, Alberta T6G 2E8. Telephone 432-3221.
Application deadline: 7 October 1988.

Positions

The University of Alberta is committed to the principle of equity in employment.

In accordance with Canadian Immigration requirements, these advertisements are directed to Canadian citizens and permanent residents.

Academic

Manager, Job Evaluation and Classification, Personnel Services and Staff Relations

Reporting to the Director, Personnel Services and Staff Relations, the Manager, Job Evaluation and Classification is accountable for implementing a point factor job evaluation plan covering some 3000 support staff positions ranging from junior clerical to senior technical.

Applicants must have a minimum of five years of directly related experience in classification and pay administration preferably with a quantitative system. An undergraduate degree is required, along with effective interpersonal and writing skills.

Salary is negotiable and the normal range of employee benefits is provided.

Interested applicants should apply to: Personnel Services and Staff Relations, 2-40 Assiniboia Hall, Edmonton, Alberta T6G 2E7.

Support Staff

To obtain further information on the following positions, please contact Personnel Services and Staff Relations, 2-40 Assiniboia Hall, telephone 432-5201. Due to publication lead time and the fact that positions are filled on an ongoing basis, these vacancies cannot be guaranteed beyond 16 September. For a more up-to-date listing, please consult the weekly Employment Opportunities Bulletin and/or the postings in PSSR.

Clerk Steno II, Agricultural Engineering, (\$1,263-\$1,568)
 Clerk Typist II, Career and Placement Services, (\$1,263-\$1,568)
 Clerk Typist II, Faculty of Graduate Studies and Research, (\$1,263-\$1,568)
 Clerk Steno III (Trust), Biochemistry, (\$1,407-\$1,767)
 Clerk Steno III (Technical Typist), Faculty of Business, (\$1,407-\$1,767)
 Clerk Steno III, Education - Field Services, (\$1,407-\$1,767)
 Clerk Steno III, Rural Economy, (\$1,407-\$1,767)
 Clerk Steno III, Statistics and Applied Probability, (\$1,407-\$1,767)
 Clerk Typist III, (Part-time), Home Economics, (\$563-\$707) (prorated)
 Clerk Typist III, (Part-time), Microbiology, (\$844-\$1,060) (prorated)
 Clerk Typist III (Trust/term to 28 February 1989), Immunology, (\$1,407-\$1,767)

Clerk Typist III (Trust), Health Sciences Laboratory Animal Services, (\$1,407-\$1,767)
 Clerk Typist III, Career and Placement Services, (\$1,407-\$1,767)
 Clerk Typist III, English, (\$1,407-\$1,767)
 Library Clerk III, Faculté Saint-Jean, (\$1,407-\$1,767)
 Medical Steno (Trust) Medicine (Dermatology and Cutaneous Diseases), (\$1,568-\$2,003)
 Medical Steno, Medicine (Cardiology-Research), (\$1,568-\$2,003)
 Secretary, Alumni Affairs, (\$1,568-\$2,003)
 Secretary, Speech Pathology and Audiology, (\$1,568-\$2,003)
 Senior Accounts Clerk, Office of the Comptroller, (\$1,767-\$2,274)
 Departmental/Executive Secretary, Office of the Vice-President (Academic), (\$1,767-\$2,274)
 Laboratory Assistant I (Trust/term), Zoology, (\$1,176-\$1,454)
 Computer Assistant I, (Term), University Computing Systems, (\$1,263-\$1,568)
 Laboratory Assistant II, Provincial Laboratory, (\$1,263-\$1,568)
 Laboratory Assistant III (Part-time, Trust), Pathology (Medical Laboratory Science), (\$884-\$1,110) (prorated)
 Distribution Clerk, Materials Management, (\$1,627-\$2,088)
 Biochemistry Technician I/II (Trust), Biochemistry, (\$1,627-\$2,373)
 Maintenance Worker I, Materials Management, (\$1,767-\$2,274)
 Farm Technician II (Trust), Animal Science, (\$1,845-\$2,373)
 Security Officer I, Campus Security, (\$1,767-\$2,274)
 Civil Engineering Technician II, Civil Engineering, (\$1,845-\$2,373)
 Technician II (Trust), Pharmacology, (\$1,845-\$2,373)
 Biology Technologist I (Part-time Trust), Genetics, (\$1,002-\$1,412) (prorated)
 Administrative Assistant I (Personnel), University Computing Systems, (\$2,003-\$2,585)
 Technologist II (Trust), Animal Science, (\$2,178-\$2,823)
 Programmer Analyst II, Registrar's Office, (\$2,373-\$3,082)
 Programmer Analyst III, Geology, (\$2,823-\$3,686)
 Library Clerk II, HSS Library, (\$1,263-\$1,568)
 Clerk Steno III (Part-time), Faculté Saint-Jean, (\$704-\$884) (prorated)
 Library Assistant I, Cameron Library, (\$1,454-\$1,845)
 Library Assistant III, Cameron Library, (\$1,845-\$2,373)
 Programmer Analyst II, Library Systems, (\$2,373-\$3,082)
 Programmer Analyst IV, Library Systems, (\$3,369-\$4,418)
For vacant Library positions, telephone 432-3339.

Advertisements

Accommodations available

Victoria properties - Experienced, knowledgeable realtor with Edmonton references will answer all queries, and send information. No cost or obligation. Call collect (604) 592-3666, Lois Dutton, Wessex Realty, Victoria, B.C.
 Sale - New listing. Riverbend, 1,830', neutral decor. New Berber carpeting, four bedrooms, great location. Chris Tenove, 433-5664, 436-5250. Spencer Realty.
 Sale - 7.35 acres. \$36,000. Just off Devon highway. Chris Tenove, 433-5664, 436-5250. Spencer Realty.
 Sale - Lakefront, Wabamun. Fully furnished, three-bedroom cottage. Terrific view. Great location, large lot.

Call Chris Tenove, 433-5664, 436-5250. Spencer Realty.
 Sale - Hubbles Lake. 4.38 acres, \$19,500. Chris Tenove, 433-5664, 436-5250. Spencer Realty.
 Sale - Four lots. Windermere area. Chris Tenove, 433-5664, 436-5250. Spencer Realty.
 Sale - Riverbend. Hearthstone. 1,454'. Fully developed. Chris Tenove, 433-5664, 436-5250. Spencer Realty.
 Lease/sale - Home, Windsor Park. Renovated like new, oak kitchen, neutral rugs, brass fixtures. \$1,495/month. Professional families only. For further information, call Carolyn Smith, Re/Max Real Esta. 435-0217.
 Rent - Furnished, four-bedroom home. \$500 plus utilities. 26 October-4 April. All appliances, car plug-ins, 12 minutes from University. References. 489-7238.
 Rent - Furnished, two-bedroom home, appliances, garage, near bus line. \$400 plus utilities. References. 426-1544.
 Sale - Parkallen, by owner, two-bedroom, upgraded bungalow. Garage. 437-0993.
 Rent - Two-bedroom bungalow, appliances, basement, walking distance to University. References and damage deposit required. 451-2281.
 Rent - Near University, four bedrooms, two full baths, appliances included, garage. Non-smokers, no pets, will rent to family or students. Contact Melony, 431-1174, Susan, 487-2796 after 6:30 p.m.
 Rent/sale - Cottage, Mulhurst. \$150/week, \$55,000. Winterized, fully equipped. 433-2360.
 Sale - Waikiki, Hawaii, \$12,500. Pompano, Florida, \$9,500. Time-share condominiums. 439-8380.
 Rent - Vancouver, MacKenzie Heights. Gracious, well-maintained, four- plus one-bedroom home. Close to schools, University, park, bus. One-year lease, \$1,600/month, references. 437-4902.
 Sale - Prestigious Quesnell Heights. Custom, two storeys, by Ekert, 2,434' of gracious living. Five bedrooms up, main floor family room and laundry. Super lot. Sherry Mailo, Canada Realty, 468-2100.
 Sale - Character, two storeys in Gro... Estates. Lovely woodwork throughout, four bedrooms up. Cement basement, great appeal. \$92,900. Call Sherry Mailo, Canada Trust Realty. 468-2100.
 Co-op - Strathcona Housing Co-op (87 Ave. 108A St.) is now accepting applications for a three-bedroom townhouse, available 1 November. For interview, call 439-8298 immediately.
 Sublet - 1 November, University area. Two-bedroom, high-rise apartment. \$650, plus damage deposit. Call after 4 p.m. 439-3407.
 Sale - Old Strathcona home. Solid, well-maintained, nicely finished basement can double as suite. Hardwood floors. Two bedrooms up, one down. Garage. Call Kristin Murray, Spencer Realty. 436-5250.
 Rent - Furnished, luxury, two-bedroom condominium. Two blocks from University. Temporary or long-term. Rent negotiable. Janice, 432-0514.
 Sale - Windsor Park. Beautifully upgraded, three-bedroom bungalow. New kitchen with many built-ins. Large lot, new double garage. \$141,500. Ed Lastiwka, 437-7480, 437-4984. Royal LePage Realty.
 Sale - University area. Five bedrooms, two storeys, hardwood floors, huge formal dining room. Outstanding, one owner home. \$147,500. Ed Lastiwka, 437-7480, 437-4984. Royal LePage Realty.
 Sale - Parkallen. \$79,500. Spacious, three-bedroom bungalow. Hard floors, double garage, excellent location. Ed Lastiwka, Royal LePage Realty. 437-7480, 437-4984.

Sale - Belgravia. Unique, three bedrooms, two storeys, hardwood floors, newer construction. Walk to University. Asking \$103,500. Ed Lastiwka, 437-7480, 437-4984. Royal LePage Realty.

Automobiles and others

1981 Peugeot GRD, four-speed, 100,000 km. \$5,500. 433-2360.

Goods for sale

"Ice, Stars and Saucers", available at the Edmonton Bookstore; only minutes from campus at 8530 109 St. Quality items bought and sold. 433-1781.

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Professional typist with BA, word processing, specializing in theses, dissertations. Lois, 464-2351. Retired English teacher will edit or type and edit papers, theses, dissertations with Xerox word processor. Call 433-4175.

Progooff Intensive Journal Life Context workshop, led by Sister Therese Craig PhD, Strawberry Creek Lodge. 28-30 October. Lodging/meals \$80; tuition \$125 (25% tuition discount for students). 432-7582, 424-4737. St. Will Co-operative Nursery School, register now in Edmonton's oldest co-operative nursery school, near University in Garneau School. Spaces

in three- and four-year groups. Call Jennifer, 433-7567. Stress reduction and relaxation program: includes insomnia, obesity, smoking, habits control and more. Dr. Daniela Masek, MA, counselling and hypnotherapy. 432-7233. #308, 8540 109 St.

Science librarian, four years' experience in Cameron Library, will find that important article or reference for you. Frances Cruden, 439-3254.

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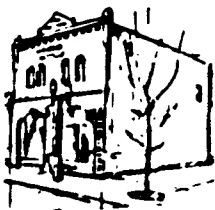
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**September 28, 1988
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**Convocation Speaker
RICHARD R. CAEMMERER, JR.**

Liturgical Artist

Executive Director, Grünwald Guild

The Senate of St. Stephen's College will confer
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DOCTOR OF DIVINITY, HONORIS CAUSA
upon:

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For further information phone 432-8778.

